

LIBRARY TECHNOLOGY CONCLAVE

JANUARY 27 -30, 2021



**E-SCIENCE AND DIGITAL LIBRARIES:
BUILDING COMMUNITIES FOR COLLABORATION**

www.ltc2021.org



From Science to eScience to Open Science

Science cannot afford to lag behind the real-time data world in its ability to infer meaning from data and take action based on that meaning, especially when it is possible to build systems that help turn individual data/observations/records into organized datasets that can be analyzed, modeled, and visualized.

eScience is a term created by John Taylor, Director-General of the United Kingdom's Office of Science and Technology, to describe a large funding initiative in 1999. Cyberinfrastructure — a term used by National Science Foundation, US and other funders in the US, is a technological and sociological solution to the problem of efficiently connecting laboratories, data, computers, and people to enable derivation of novel scientific theories and knowledge. The Fourth Paradigm, a term coined by Jim Gray is envisioned as a new method of pushing forward the frontiers of knowledge, enabled by new technologies for gathering, manipulating, analyzing and displaying data.

Open science is a movement to make scientific research transparent, accessible, shared and developed through collaborative networks. Open data is data that's available to everyone to access, use and share. While the open-science-data movement predates the Internet, the availability of fast, ubiquitous networking has transformed the context of Open science data. The Human Genome Project is a great exemplar of the power of open data.

Digital Libraries — a domain at the intersection of many a discipline, but primarily the computer sciences and the library and information sciences, today has evolved as a domain that focuses on developing tools that help stimulate and sustain intellectual activity having no logical, conceptual, physical, temporal, or personal borders or barriers to information. eScience and digital libraries share many common elements of information management infrastructure.

LTC 2021 aims to focus on and champion the cause of eScience in India and bring experts across the disciplines of sciences and data/information sciences to a forum to build a community for collaborative research to develop the cyber infrastructure including tools for data capture, curation, and analysis, and for a communication and publication infrastructure that would foster new scientific discoveries and innovations.

Come, join us at the LTC2021, and explore the world of eScience and help build a community for collaboration!
Professor Shalini R. Urs
Program Chair

LTC 2021 presents: Six Thematic Sessions

Day 2: January 28, 2021

1 | eScience - the Fourth Paradigm in Research



KEY NOTE SPEAKER:

Prof. Ram Ramaswamy

Adjunct Professor, IIT Delhi
Former Professor, Jawaharlal Nehru University, New Delhi, Former Vice Chancellor, Central University of Hyderabad

Day 3: January 29, 2021

3 | Cyber Infrastructure & Big Data Analytics



KEY NOTE SPEAKER:

Dr. Vasant G Honavar

Edward Frymoyer Endowed Professor of Information Sciences & Technology, Pennsylvania State University, USA

Day 4: January 30, 2021

5 | Social Media and Research



KEY NOTE SPEAKER:

Prof. Abhinanda Sarkar

Adjunct Faculty, Indian Institute of Science, Bengaluru
Former Associate Dean and Director of Research, MYRA School of Business

2 | Open Science & Scholarly Communication



KEY NOTE SPEAKER:

Rob Johnson

Founder and Director Research Consulting, Nottingham, Great Britain

4 | Research Data Management



KEY NOTE SPEAKER:

Prof. Cinzia Daraio

Professor, Department of Computer, Control and Management Engineering "Antonio Ruberti", Sapienza University, Rome, Italy

6 | Health Informatics

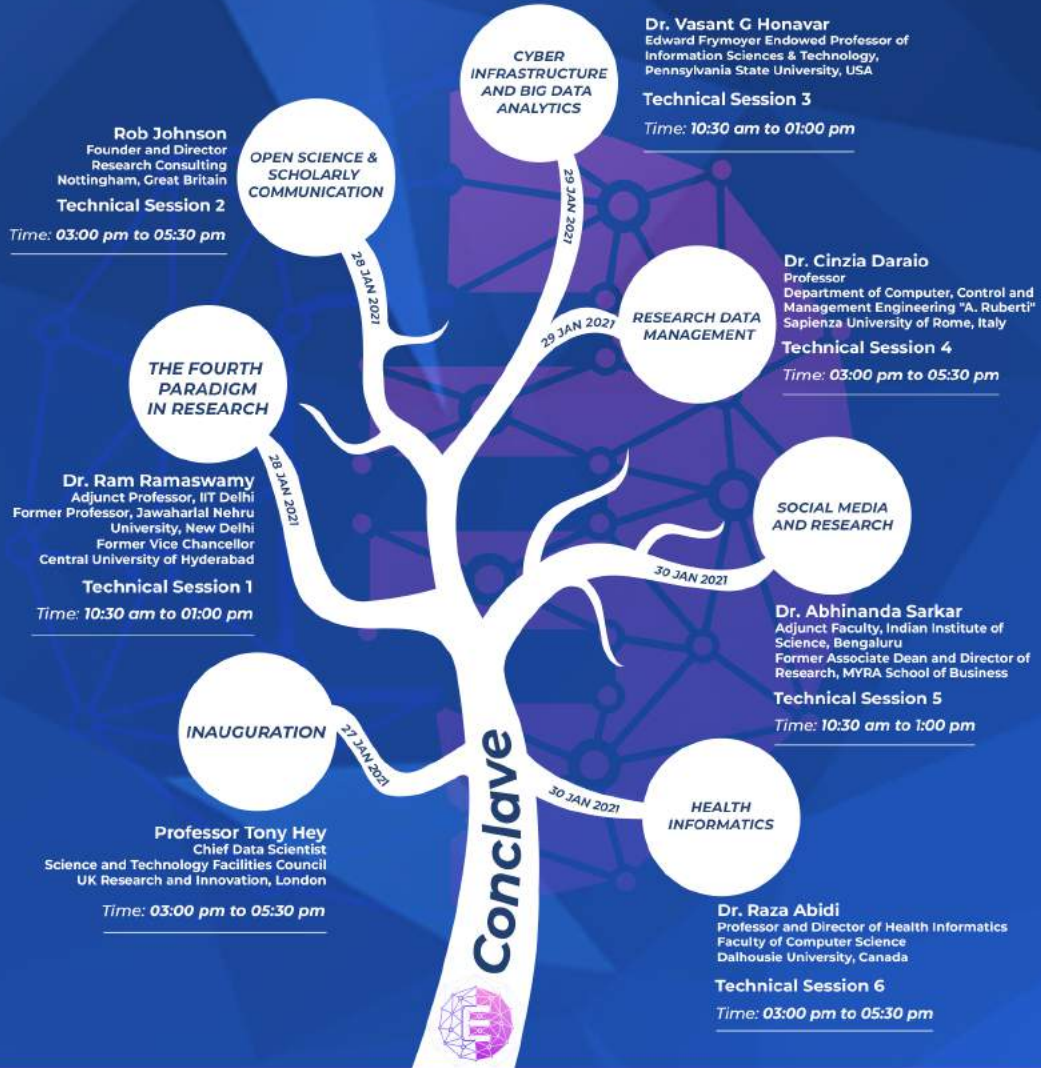


KEY NOTE SPEAKER:

Prof. Raza Abidi

Professor and Director of Health Informatics Faculty of Computer Science Dalhousie University, Canada

eScience and Digital Libraries: Building Communities for Collaboration



- 1 eScience - the Fourth Paradigm in Research
- 2 Open Science & Scholarly Communication
- 3 Cyber Infrastructure & Big Data Analytics
- 4 Research Data Management
- 5 Social Media & Research
- 6 Health Informatics

Panelists



Harshal Ganpatrao Hayatnagarkar
 Computer Scientist and R&D Partner
 Engineering for Research,
 ThoughtWorks Technologies India,
 Pune, India.



Mr. Madhan Muthu
 Librarian, Azim Premji University,
 Bengaluru



Dr. Ee-Peng Lim
 Lee Kong Chian
 Professor of Informatics Systems and,
 Director, Living Analytics Research Centre,
 Singapore Management University



Mr. Mark Dekkers
 Independent Information Professional
 Malaga, Andalusia,
 Spain (Member of RDA)



Dr. Mayank Singh
 Assistant Professor,
 IIT Gandhinagar, India



Dr. Sudeshna Adak
 CEO & Founder, Omix Research and
 Diagnostics Laboratories Pvt. Ltd.,
 Bengaluru



Dr. George Buchanan
 Director, iSchool,
 University of Melbourne, Australia



Dr. Sridhar Gutam
 Senior Scientist, Indian Institute
 of Horticultural Research, Bengaluru



Mr. S.R. Narayanan
 Chief Data Officer,
 Trivaris Consulting, Singapore.



Dr. Aastha Madaan
 Senior Data Scientist
 ARUP, UK



Mr. Ravi Padaki
 Chief Digital Officer,
 Duroflex World, Bengaluru



Dr. Thanga Prabhu
 Advisor,
 St. John's Health Innovation Foundation,
 Bengaluru



Dr. V. Vijaya Saradhi
 Assistant Professor
 Department of Computer Science and
 Engineering, IIT Cuvahati



Ms. Iryna Kuchma
 Open Access Programme Manager,
 Electronic Information for Libraries (EIL)



Dr. L.Venkata Subramaniam
 Master Inventor, Quantum Ambassador &
 AI Neuro-symbolic Sub-theme Lead,
 IBM, New Delhi



Dr. Björn Brembs
 Professor of Neurogenetics,
 Institute of Zoology,
 University of Regensburg, Germany



Dr. Vasudeva Varma
 Professor and former Dean
 (Research & Development)
 at IIT, Hyderabad



Dr. Sanjay Sood
 Associate Director and Head,
 Health Informatics Centre, CDAC,
 Mohali

Anchors



Dr. V. K. Mudakavi
 Head, CDIR-APL,
 Bengaluru



Dr. Anand Byrappa
 Head - Library & Data Centre,
 Indian Institute of Science, Bengaluru



Dr. Srinivas Bhogle
 Honorary Professor
 CSIR Fourth Paradigm Institute,
 Bengaluru



Dr. M. Sai Baba
 Registrar, Ramaiah Applied Science &
 Technology University,
 Bengaluru



Professor Shalini R. Urs
 Founder Chairperson,
 MYRA School of Business,
 Mysuru



Ms. Rani Desai
 Chief Executive Officer,
 Anahat Foundation,
 Bengaluru

LTC2021

LIBRARY TECHNOLOGY CONCLAVE

January 27-30, 2021

Conclave Inauguration

January 27, 2021 : 03:00 pm to 05:30 pm

INAUGURATION BY



Prof. K. Vijay Raghavan

Principal Scientific Advisor
Government of India

CONCLAVE KEYNOTE



Prof. Tony Hey

Chief Data Scientist
Science and Technology Facilities Council,
UK Research and Innovation, London

CONCLAVE TEAM

CONCLAVE

Co-Chairs

Mr. N. V. Sathyanarayana

Chairman and Managing Director,
Informatics India Ltd., Bengaluru

Professor M. Sai Baba

Shri T. V. Raman Pal Chair Professor,
National Institute of Advanced Studies, Bengaluru

Professor Vidyadhar Y. Mudkavi

Head, CSIR Fourth Paradigm Institute, Bengaluru

Dr. H. S. Siddamallaiiah

Former Principal Librarian and Information Officer,
NIMHANS, Bengaluru, and former University Librarian,
Rajiv Gandhi University of Health Sciences, Bengaluru

INFORMATICS INNOVATION AWARD

Chair

Dr. Anand Byrappa

Head, Office of Data & Library
Indian Institute of Science, Bengaluru

PROGRAM

Chair

Professor Shalini R. Urs

Founder Chairperson, MYRA School of Business, Mysuru
Former Professor, Department of Library and Information Science,
University of Mysore
Founder and Former Executive Director
International School of Information Management,
University of Mysore

MEMBERS

Dr. I.R. Nagana Goudar

Adjunct Professor, Mangalore University and
former Head, Information Centre,
National Aerospace Laboratory, Bengaluru

Mr. Sanjay Grover

CEO, Informatics Publishing Ltd., Bengaluru

Ms. Hamsa Kalyani

Librarian, National Institute of Advanced Studies, Bengaluru

Dr. B.M. Meera

Former Librarian, Raman Research Institute, Bengaluru

Mr. Devendra Thakur

Director, Informatics Publishing Ltd., Bengaluru

INFORMATICS INNOVATION AWARD

January 30, 2021 : 6 pm to 7 pm